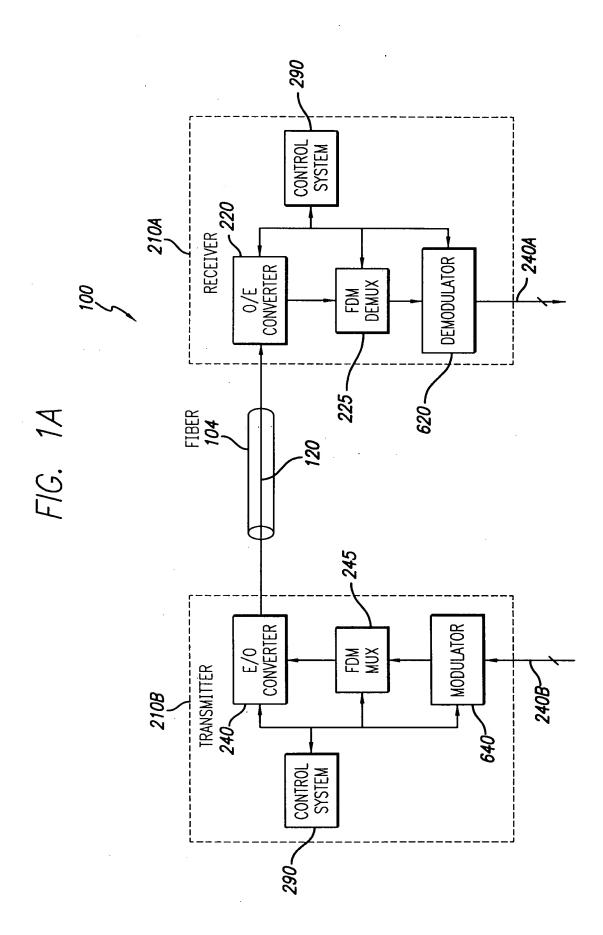
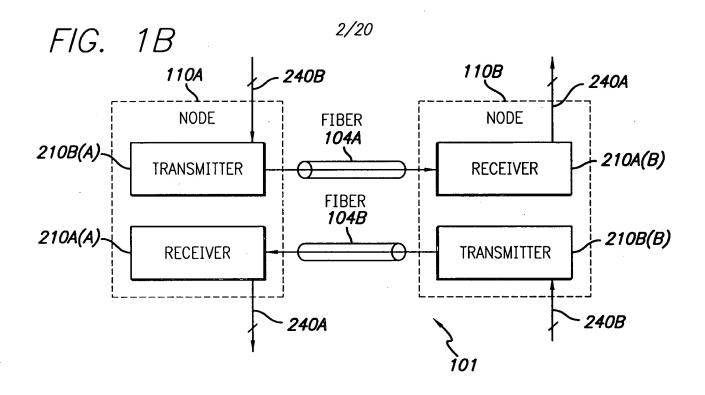
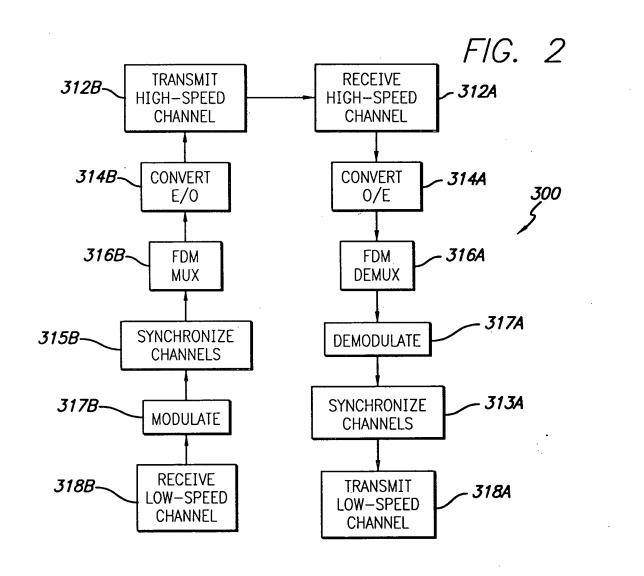
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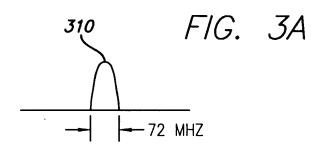
Variable Rat High-Speed Input And Output In Optical C mmunication Networks

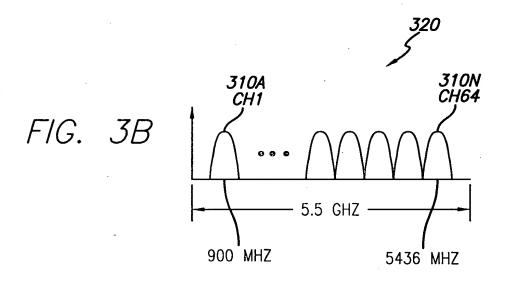


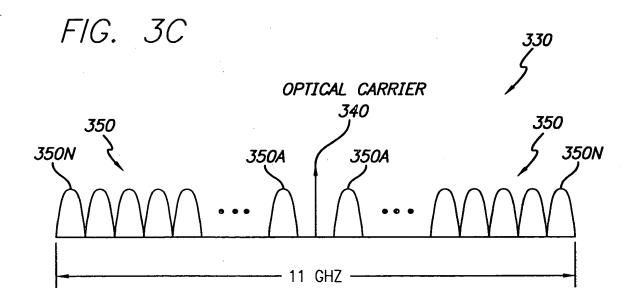


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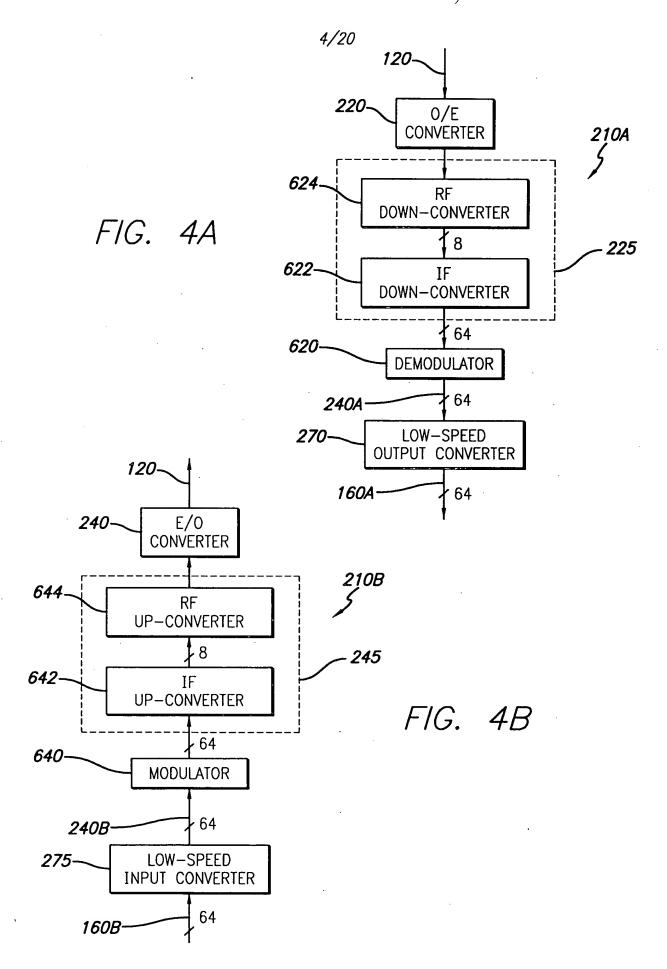
Inventors: T. Shen, R. B. Clarke, Jr., T. J. Roman, D. B. Upham, D. A. Pechner and L. .J. Newell Docket No.: 20852-05135



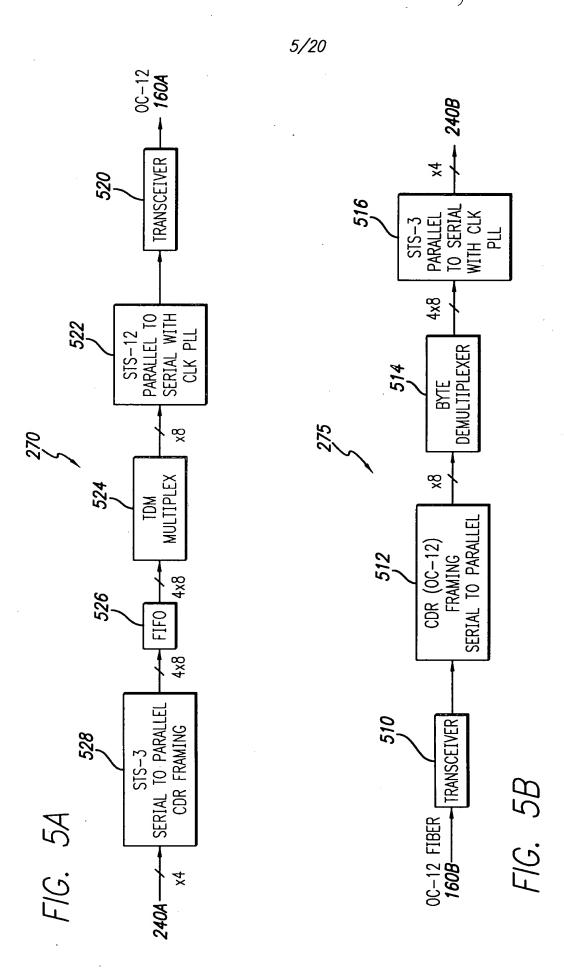




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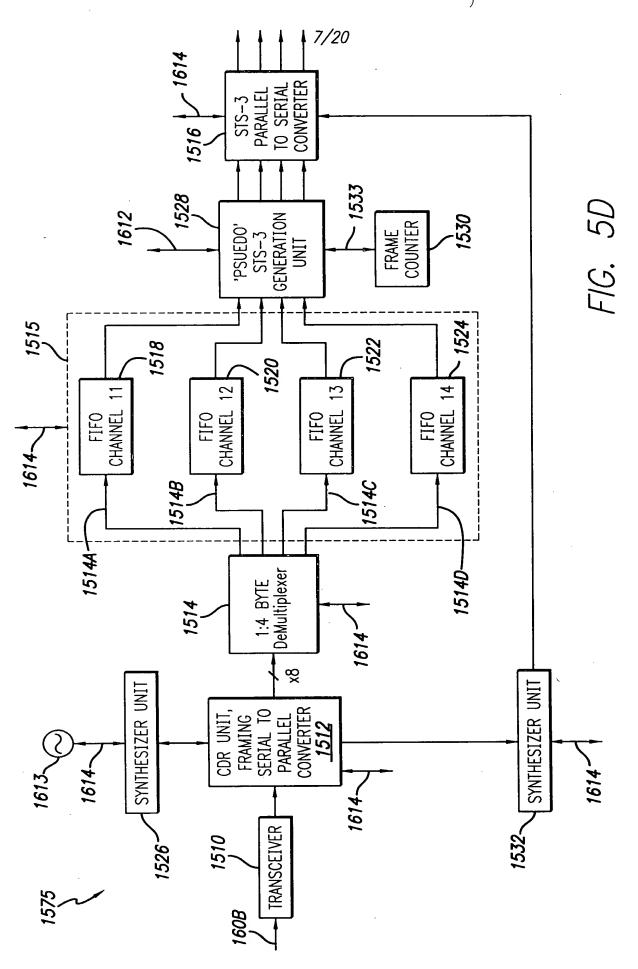
Variable Rat High-Speed Input And Output In Optical Communication Networks



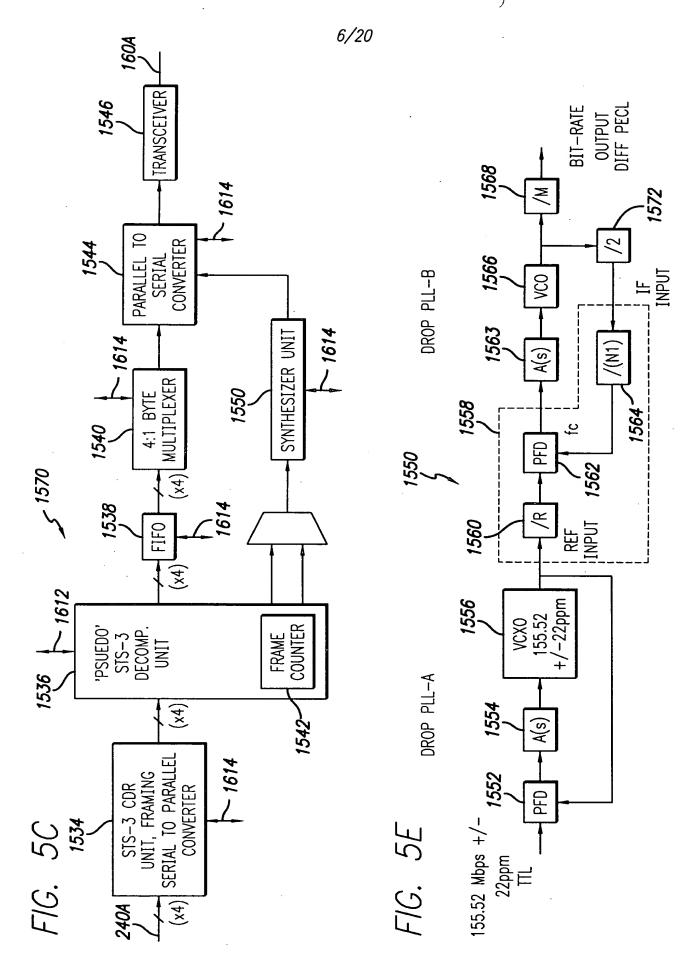
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Communication Networks
Inventors: T. Shen, R. B. Clarke, Jr., T. J. Roman, D. B. Upham,
D. A. Pechner and L. .J. Newell

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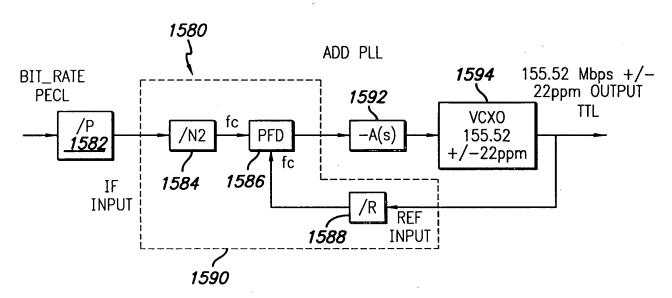


FIG. 5F

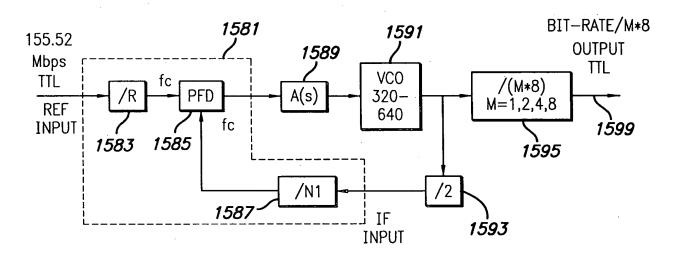
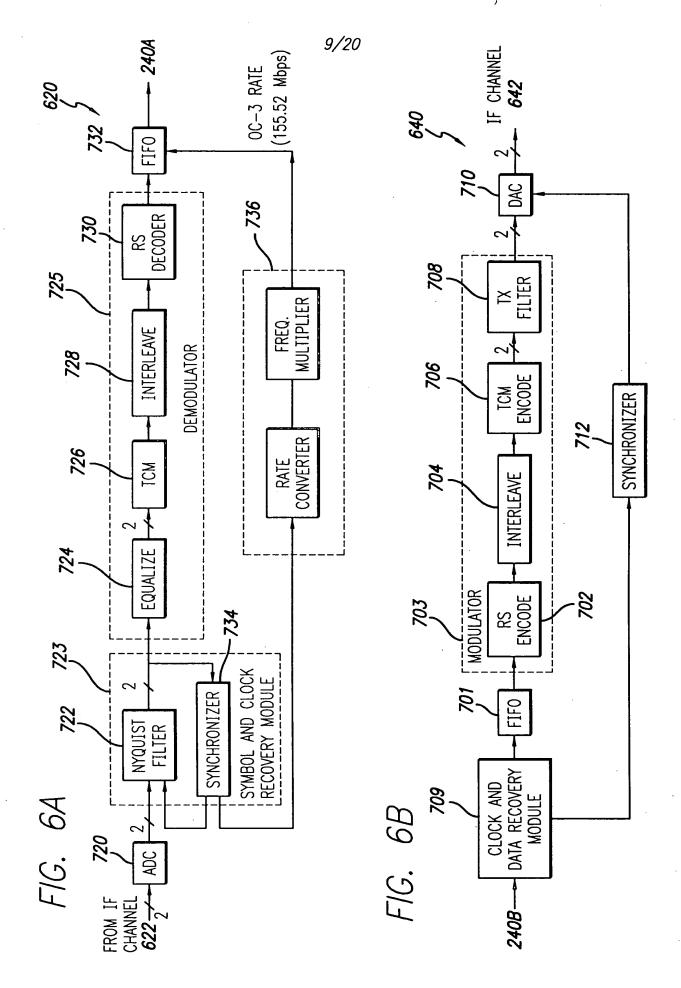
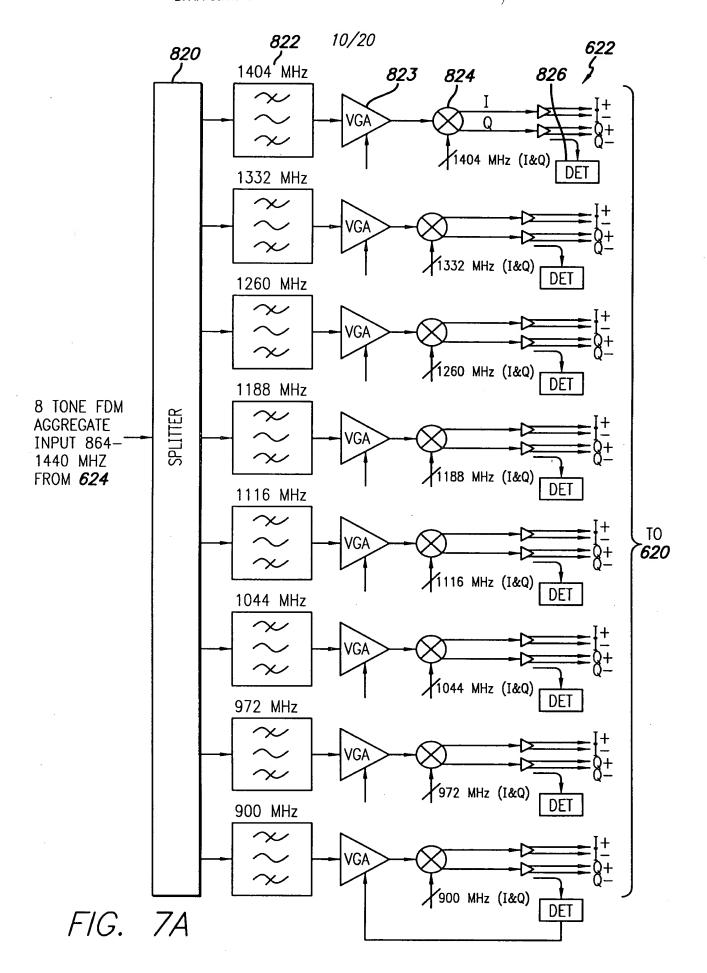


FIG. 5G

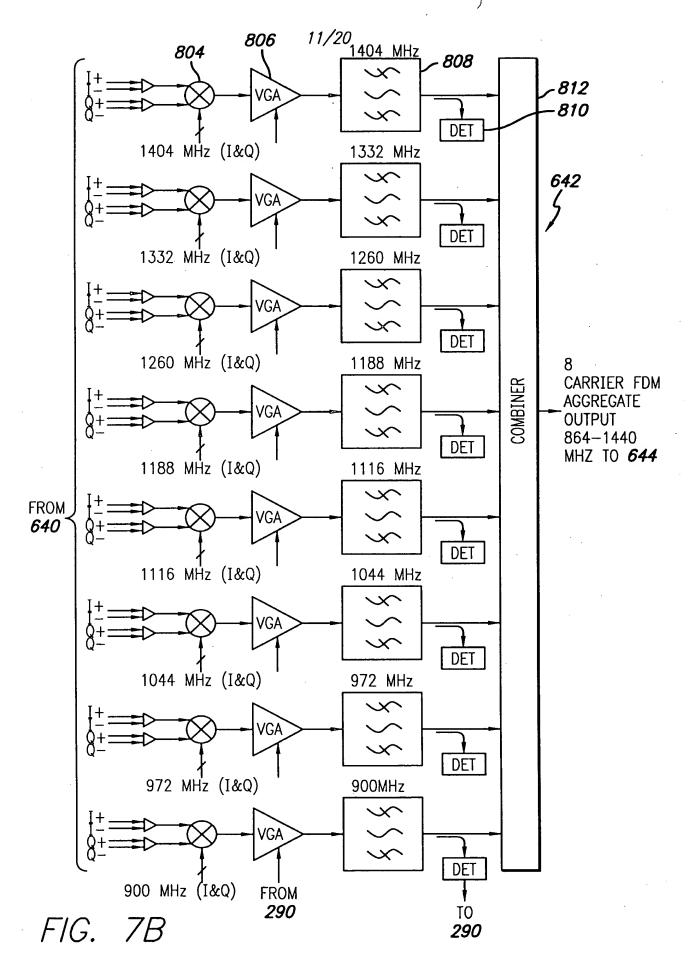
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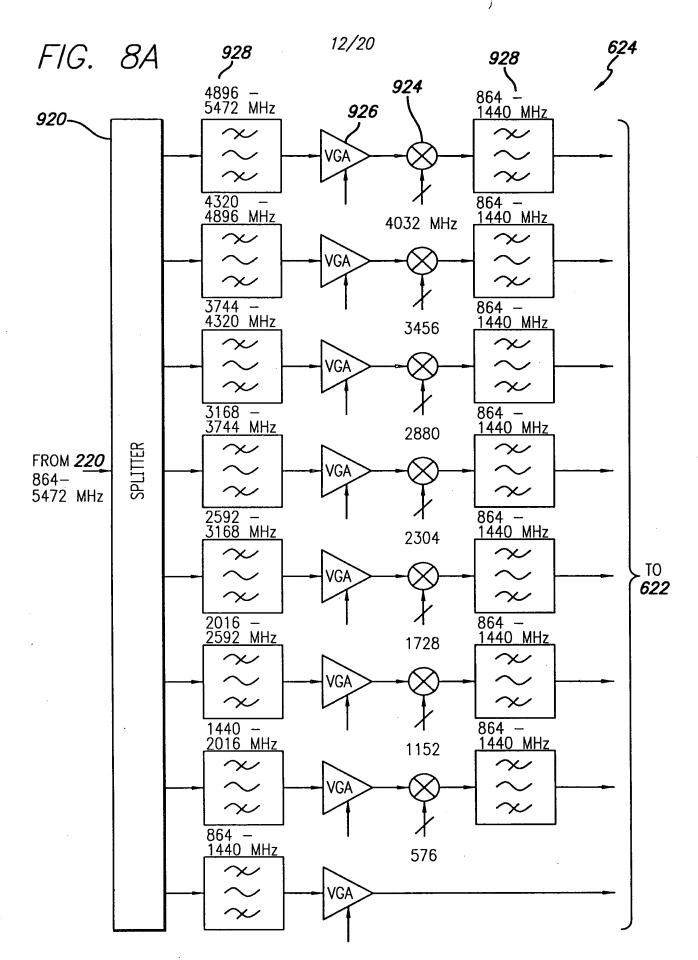
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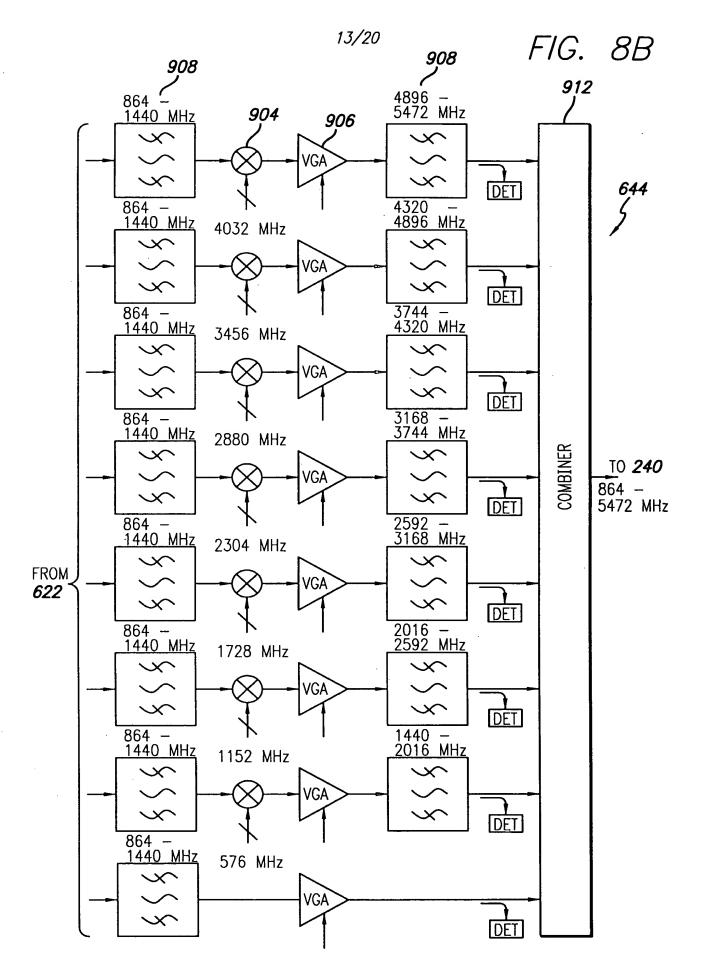
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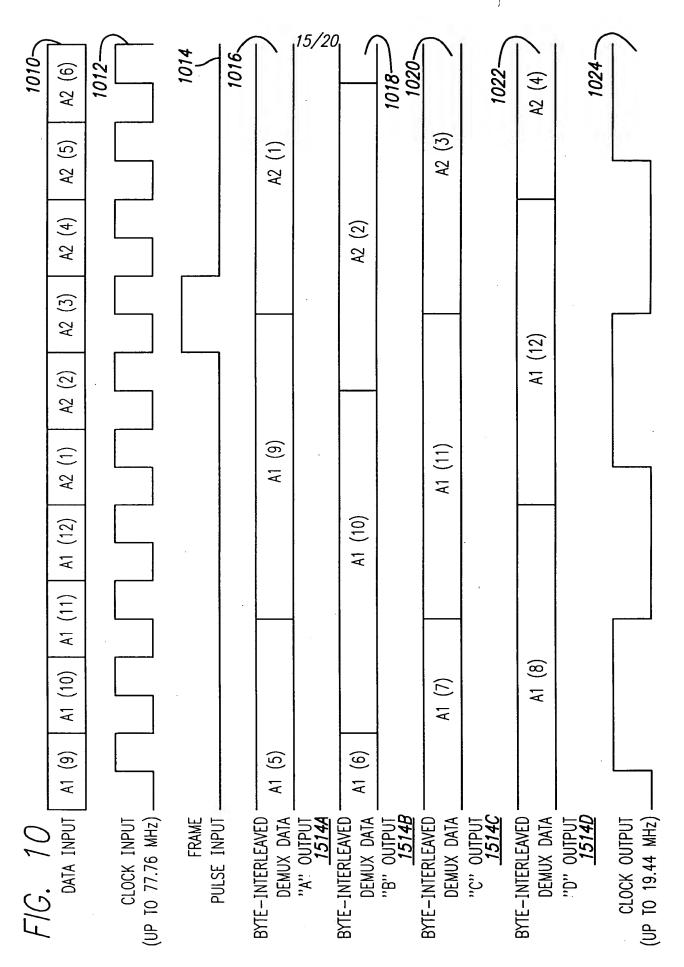


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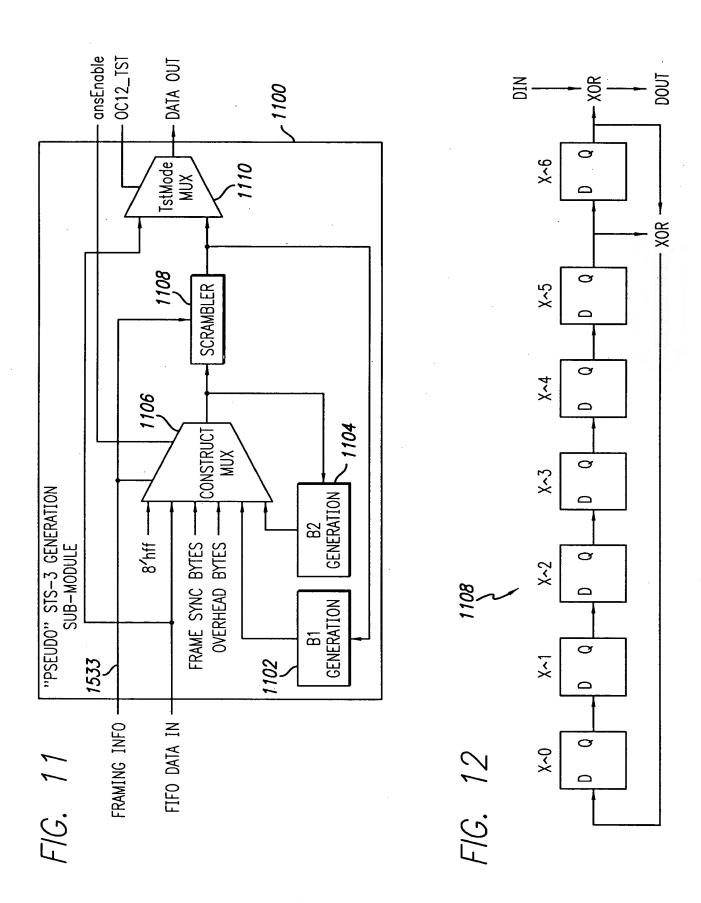
& (O∵		-				14.	/20		
2430 Y (0)	SUBPACKET #2	, N2				, , ,	20		
1215	STUFF #1	. S2							9
	STUFF SUBPACKET #1	Z							F1G.
32 X : :	STUFF #1	S.				latency.			
	ADDITION SW OVERHEAD	9	· .			in frame. Two subpackets to reduce system latency.			
; ;	TD	2				ts to			
2 24	St-RATE CODE	2				subpacket	نید	б	gister gister
3 22	ADDITIONAL HW E	6	STS3.	10			d parts of packet.	Parity—1 byte parity for performance monitoring	N1-subpacket 1 byte count N2-subpacket 2 byte count N1+N2=N(target signal bytes per frame) S1-Stuff #1 byte count S2-Stuff #2 byte count X-Stuff #1 end count Memory mapped register Y-Stuff #2 end count Memory Mapped register I-Target Signal Data Rate N=I/(8kHz)*(1/8)*(1/4) bytes/frame S1+S2=2430-N-32 bytes/frame
.1. 0		۳.	ader for	d-6bytes	ıd-9byte:	s carrie	ill unuse	or perfo	byte coubyte coubyte count signal by count Mecount Mecount Meton Mata Ratt 32 bytes
	B1 PARITY	-	-SONEThe	Overhed	Overhed	rget byte	res to 1	parity 1	acket 1 acket 2 I(target #1 byte #2 byte #1 end #2 end Signal [12)*(1/8
σ	A1/A2 01 ANS SUPER— B1 B2 FLAG FRAME FLAG PARITY PARITY	-	A1/A2 bytes—SONETheader for STS3	Additional SW Overhead-6bytes	Additional HW Overhead-9bytes	Subpacket-target bytes carried	Stuff-stuff bytes to fill unused	Parity-1 byte	N1-subpacket 1 byte count N2-subpacket 2 byte count N1+N2=N(target signal bytes per S1-Stuff #1 byte count S2-Stuff #2 byte count X-Stuff #1 end count Memory r Y-Stuff #2 end count Memory r Y-Stuff #2 hourt Memory r N-Stuff #2 hourt Memory r Y-Stuff #2 signal Data Rate N=I/(8kHz)*(1/8)*(1/4) bytes/fi
∞…	ANS	-	-		-	- •			
6 7	0.1								
COUNT	A1/A2	ENGTH							

Variable Rat High-Speed Input And Output In Optical Communication Networks



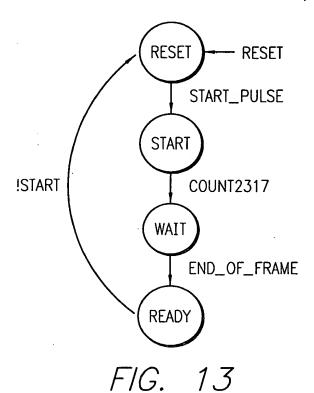
Variable Rate High-Speed Input And Output In Optical Communication Networks

Inventors: T. Shen, R. B. Clarke, Jr., T. J. Roman, D. B. Upham, D. A. Pechner and L. J. Newell
Docket No.: 20852-



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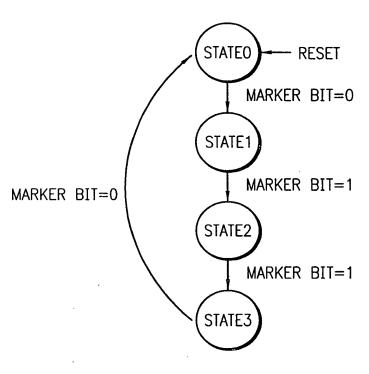
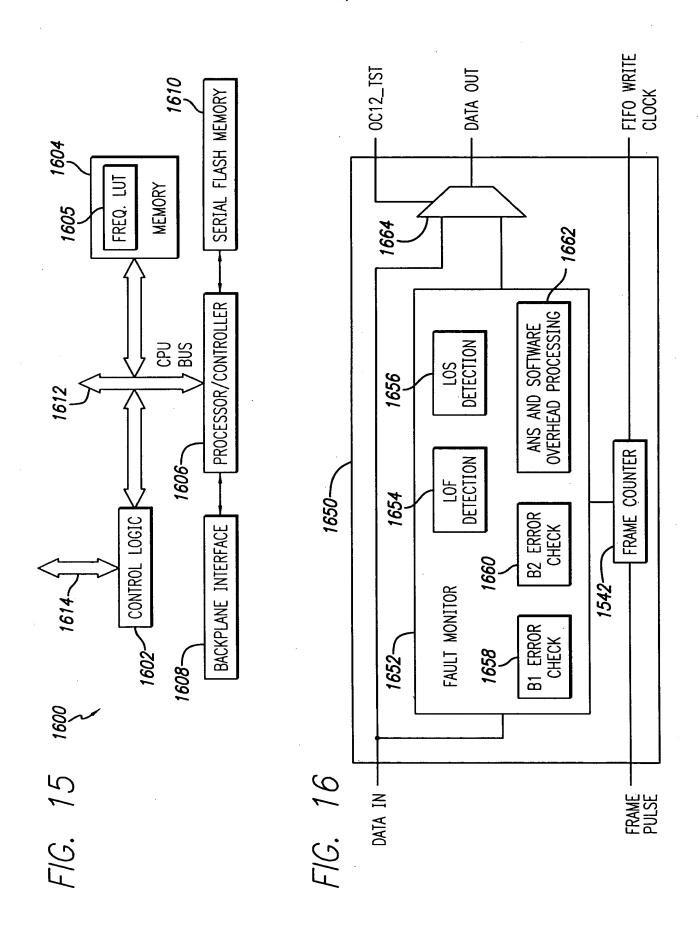


FIG. 14

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Variable Rate High-Speed Input And Output In Optical **Communication Networks**

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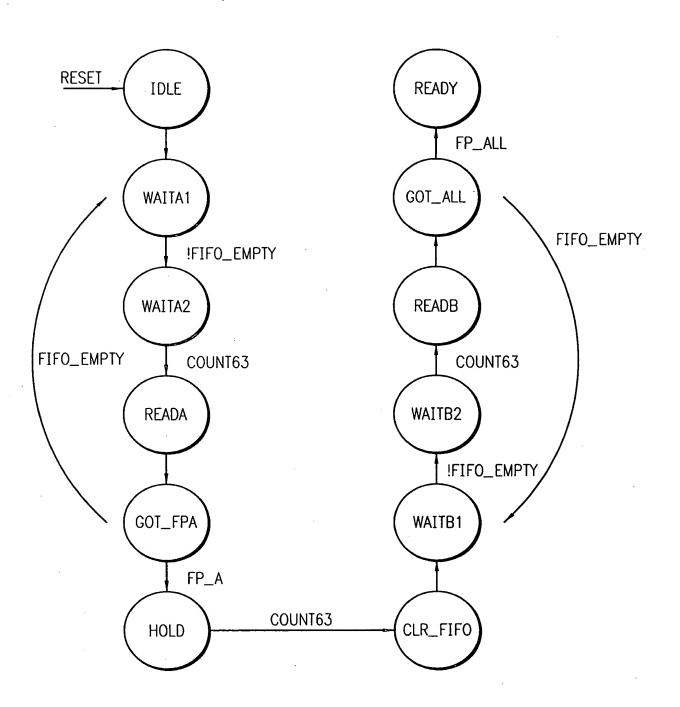


FIG. 17

Variable Rat High-Speed Input And Output In Optical

